

Amendments to the Claims:

✓ Please amend claims 1-7 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

A¹ Claim 1. (Currently Amended) A user interface for the processing and presentation of image data, ~~notably medical image data, which interface is~~ arranged to co-operate with a database containing the image data in a data file, and a visual display unit and an input member that ~~serves for~~ enables communication with a user, ~~characterized in that for~~ wherein the interface is arranged to select an image from each group of coherent image data of the data file the interface performs an image selection so as to present this selection to, form a pictorial representative of the selected image and cause the representative pictorial to be displayed on the display unit.

Claim 2. (Currently Amended) A user interface as claimed in claim 1, wherein the image data is combined with attribute data ~~that is taken up~~ in the database ~~and~~ which characterizes a patient or the relevant image data, ~~characterized in that the~~ interface ~~selects~~ being arranged to select, in dependence on the attribute data, feasible applications for each group of coherent

image data and separately ~~adds~~ add a reference to every selected application to the image selection associated with the group of coherent image data for which the relevant application has been selected.

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Claim 3. (Currently Amended) A user interface as claimed in claim 2, ~~characterized in that it~~ wherein the interface is arranged to add or remove an application selected by a user to or from an image selection.

Claim 4. (Currently Amended) A user interface as claimed in ~~one of the claims 1 to 3~~ claim 1, ~~characterized in that it~~ displays the wherein the interface is arranged to cause the display unit to display feasible applications ~~on the display unit~~ and that, after selection of an application by a user, the interface performs a selection of every group of coherent image data that can be processed by the selected application and presents only the image selections that characterize this image data to the display unit.

Claim 5. (Currently Amended) A user interface as claimed in claim 4, ~~characterized in that~~ wherein the interface ~~shows the~~ causes the display unit to show feasible sub-functions for each

application and is arranged such ~~and~~ that each of ~~these~~ the sub-functions ~~can be~~ is individually ~~selected~~ selectable by a user.

Claim 6. (Currently Amended) A user interface as claimed in ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the applications ~~and/or sub-functions~~ are adjustable in a desired processing order.

A¹ Claim 7. (Currently Amended) A medical analysis apparatus, comprising: ~~that is provided with~~

a computer including a database containing image data in a data file; and

a visual display unit coupled to the computer; and

an input member; and ~~, characterized in that it includes~~

a user interface ~~as claimed in one of the claims 1 to 6~~ coupled to the computer and the input member, the interface being arranged to select an image from a group of coherent image data of the data file, form a pictorial representative of the selected image and cause the representative pictorial to be displayed on the display unit.

A² Claim 8. (New) A user interface as claimed in claim 2, wherein the interface is arranged to cause the display unit to

display feasible applications and that, after selection of an application by a user, the interface performs a selection of every group of coherent image data that can be processed by the selected application and presents only the image selections that characterize this image data to the display unit.

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Claim 9. (New) A user interface as claimed in claim 3, wherein the interface is arranged to display feasible applications on the display unit and that, after selection of an application by a user, the interface performs a selection of every group of coherent image data that can be processed by the selected application and presents only the image selections that characterize this image data to the display unit.

Claim 10. (New) A user interface as claimed in claim 4, wherein the applications and sub-functions are adjustable in a desired processing order.

Claim 11. (New) A user interface as claimed in claim 4, wherein the applications are adjustable in a desired processing order.

Claim 12. (New) A user interface as claimed in claim 4,

wherein the sub-functions are adjustable in a desired processing order.

Claim 13. (New) A user interface as claimed in claim 1, wherein the image data is medical image data.

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Claim 14. (New) A user interface as claimed in claim 1, wherein the representative pictorial is a small image showing coarse details only formed from the selected image of each group of coherent image data.

Claim 15. (New) A user interface as claimed in claim 1, wherein the interface is arranged to cause the display unit to display only feasible applications for each group of coherent image data simultaneously and in association with the pictorial representation of the image selected from the group of coherent image data.

Claim 16. (New) A user interface as claimed in claim 1, wherein the image data is combined with attribute data in the database which characterizes a patient or the relevant image data, the interface being arranged to analyze the attribute data to determine whether to display the image data upon receiving a

viewing command as a film or individually as pictorials.

Claim 17. (New) A user interface as claimed in claim 1, wherein the interface is arranged to cause the display unit to display a plurality of representative pictorials in a row adjacent one another, each pictorial being formed from an image selected from a different group of coherent image data.

A2 Claim 18. (New) A user interface as claimed in claim 1, wherein the interface is arranged to cause the display unit to display all applications for each group of coherent image data simultaneously and in association with the pictorial representation of the image selected from the group of coherent image data and contrast feasible applications for each group of coherent image data with non-feasible applications.

Claim 19. (New) A user interface as claimed in claim 1, wherein the image data is combined with attribute data in the database which characterizes a patient or the relevant image data, the interface being arranged to select, in dependence on the attribute data, feasible applications for each group of coherent image data and upon selection of an application by the input member, cause the display unit to display only those

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representative pictorials for which the selected application is
available.
